

FFFFFFFFFFFFFFFF	111	111	AAAAAAAAA	
FFFFFFFFFFFFFFFF	111	111	AAAAAAAAA	
FFFFFFFFFFFFFFFF	111	111	AAAAAAAAA	
FFF	111111	111111	AAA	AAA
FFF	111111	111111	AAA	AAA
FFF	111111	111111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFFFFFFFFFFFFF	111	111	AAA	AAA
FFFFFFFFFFFFFF	111	111	AAA	AAA
FFFFFFFFFFFFFF	111	111	AAA	AAA
FFF	111	111	AAAAAAAAAAAAAAAA	
FFF	111	111	AAAAAAAAAAAAAAAA	
FFF	111	111	AAAAAAAAAAAAAAAA	
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111	111	AAA	AAA
FFF	111111111	111111111	AAA	AAA
FFF	111111111	111111111	AAA	AAA
FFF	111111111	111111111	AAA	AAA

DDDDDDDD	EEEEEEEEEE	LL	EEEEEEEEEE	TTTTTTTTTT	EEEEEEEEEE	
DDDDDDDD	EEEEEEEEEE	LL	EEEEEEEEEE	TTTTTTTTTT	EEEEEEEEEE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EEEEEEEEEE	TT	EEEEEEEEEE	
DD	DD	LL	EEEEEEEEEE	TT	EEEEEEEEEE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DD	DD	LL	EE	TT	EE	
DDDDDDDD	EEEEEEEEEE	LLLLLLLLLL	EEEEEEEEEE	TT	EEEEEEEEEE
DDDDDDDD	EEEEEEEEEE	LLLLLLLLLL	EEEEEEEEEE	TT	EEEEEEEEEE

LL	IIIIII	SSSSSSSS
LL	IIIIII	SSSSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SSSSSS
LL	II	SSSSSS
LL	II	SS
LL	II	SS
LL	II	SS
LL	II	SS
LLLLLLLLLL	IIIIII	SSSSSSSS
LLLLLLLLLL	IIIIII	SSSSSSSS

DELETE

B 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 1 (1)

```
0001 0 MODULE DELETE (
0002 0
0003 0     LANGUAGE (BLISS32),
0004 0     IDENT = 'V04-000'
0005 1 ) =
0006 1 BEGIN
0007 1
0008 1 *****
0009 1 *
0010 1 *   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0011 1 *   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0012 1 *   ALL RIGHTS RESERVED.
0013 1 *
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0026 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0027 1 *
0028 1 *
0029 1 *****
0030 1
0031 1 ++
0032 1
0033 1 FACILITY: F11ACP Structure Level 1
0034 1
0035 1 ABSTRACT:
0036 1
0037 1     This routine performs the DELETE function.
0038 1
0039 1 ENVIRONMENT:
0040 1
0041 1     STARLET operating system, including privileged system services
0042 1     and internal exec routines.
0043 1
0044 1 --
0045 1
0046 1
0047 1 AUTHOR: Andrew C. Goldstein, CREATION DATE: 1-Apr-1977
0048 1
0049 1 MODIFIED BY:
0050 1
0051 1     A0101   ACG0116   Andrew C. Goldstein,   16-Jan-1980   16:47
0052 1           Swallow errors reading the file header
0053 1
0054 1     A0100   ACG00001  Andrew C. Goldstein,   10-Oct-1978   20:02
0055 1     Previous revision history moved to F11A.REV
0056 1
0057 1 **
```

DELETE
V04-000

C 1
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 2 (1)

```
: 58      0058 1
: 59      0059 1 LIBRARY 'SYSS$LIBRARY:LIB.L32';
: 60      0060 1 REQUIRE 'SRC$:FCPDEF.B32';
: 61      0375 1
: 62      0376 1
: 63      0377 1 FORWARD ROUTINE
: 64      0378 1 DELETE,
: 65      0379 1 MARK_DELETE : NOVALUE,
: 66      0380 1 MARKDEL_FCB,
: 67      0381 1 DELETE_HANDLER;
: 68      0382 1
: 69      0383 1 OWN
: 70      0384 1 SAVE_STATUS;

! main delete function
! mark file for delete
! mark FCB of file for delete
! condition handler for delete function

! place to save user status for handler
```

**F1

DELETE
V04-000

D 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 3
(2)

```

72 0385 1 GLOBAL ROUTINE DELETE =
73 0386 1
74 0387 1 !++
75 0388 1
76 0389 1 FUNCTIONAL DESCRIPTION:
77 0390 1
78 0391 1 This routine performs the remove and mark for delete functions.
79 0392 1
80 0393 1 CALLING SEQUENCE:
81 0394 1 DELETE ()
82 0395 1
83 0396 1 INPUT PARAMETERS:
84 0397 1 NONE
85 0398 1
86 0399 1 IMPLICIT INPUTS:
87 0400 1 IO_PACKET: I/O packet in process
88 0401 1
89 0402 1 OUTPUT PARAMETERS:
90 0403 1 PRIMARY_FCB: FCB of file
91 0404 1
92 0405 1 IMPLICIT OUTPUTS:
93 0406 1 NONE
94 0407 1
95 0408 1 ROUTINE VALUE:
96 0409 1 1
97 0410 1
98 0411 1 SIDE EFFECTS:
99 0412 1 directory entry removed
100 0413 1 file marked for delete or deleted
101 0414 1
102 0415 1 !--
103 0416 1
104 0417 2 BEGIN
105 0418 2
106 0419 2 LOCAL
107 0420 2 ABD : REF BBLOCKVECTOR [,ABD$C_LENGTH],
108 0421 2 : buffer descriptors
109 0422 2 FIB : REF BBLOCK; : FIB
110 0423 2
111 0424 2 EXTERNAL
112 0425 2 CLEANUP_FLAGS : BITVECTOR, : cleanup action flags
113 0426 2 IO_PACKET : REF BBLOCK, : I/O packet in process
114 0427 2 CURRENT_WINDOW : REF BBLOCK, : window of open file
115 0428 2 PRIMARY_FCB : REF BBLOCK, : FCB of file
116 0429 2 CURRENT_VCB : REF BBLOCK; : VCB of volume
117 0430 2
118 0431 2 EXTERNAL ROUTINE
119 0432 2 GET_FIB, : get FIB of request
120 0433 2 FIND, : find name in directory
121 0434 2 SEARCH_FCB; : search FCB list
122 0435 2
123 0436 2
124 0437 2 ! First find the buffer descriptor, FIB, FCB, etc. then remove the
125 0438 2 ! directory entry.
126 0439 2
127 0440 2
128 0441 2 ! pointer to buffer descriptors
```

DELETE
V04-000

E 1
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 4
(2)

```

129 0442 2 ABD = .BBLOCK [.IO_PACKET[IRPSL_SVAPTE], AIB$L_DESCRIPTOR];
130 0443 2 FIB = GET_FIB (.ABD);
131 0444 2
132 0445 2 IF .CURRENT_VCB[VCB$V_NOALLOC]
133 0446 2 THEN ERR_EXIT (SS$WRITLCK);
134 0447 2
135 0448 2 ! If a directory ID is present, do a directory search first and remove
136 0449 2 ! the directory entry.
137 0450 2
138 0451 2
139 0452 2 IF .FIB[FIB$W_DID_NUM] NEQ 0
140 0453 2 THEN FIND (.ABD, .FIB, 1);
141 0454 2
142 0455 2 ! If there is a file open on the channel, check the file ID returned by the
143 0456 2 ! FIND against that of the open file. If they do not match, treat the file
144 0457 2 ! as if it were not open.
145 0458 2
146 0459 2
147 0460 2 IF .PRIMARY_FCB NEQ 0
148 0461 2 THEN
149 0462 2 BEGIN
150 0463 2 IF .PRIMARY_FCB[FCB$W_FID_NUM] NEQ .FIB[FIB$W_FID_NUM]
151 0464 2 OR .PRIMARY_FCB[FCB$W_FID_SEQ] NEQ .FIB[FIB$W_FID_SEQ]
152 0465 2 THEN CURRENT_WINDOW = 0;
153 0466 2 END;
154 0467 2
155 0468 2 PRIMARY_FCB = SEARCH_FCB (FIB[FIB$W_FID]);
156 0469 2
157 0470 2 ! Now actually mark the file for delete if requested.
158 0471 2
159 0472 2
160 0473 2 IF .BBLOCK [.IO_PACKET[IRPSW_FUNC], IOSV_DELETE]
161 0474 2 THEN MARK_DELETE (.FIB);
162 0475 2
163 0476 2 RETURN 1;
164 0477 2
165 0478 1 END;

```

! end of routine DELETE

```

.TITLE DELETE
.IDENT \V04-000\
.PSECT $LOCKEDD1$,NOEXE,2
00000 SAVE_STATUS:
.BLKB 4
.EXTRN CLEANUP_FLAGS, IO_PACKET
.EXTRN CURRENT_WINDOW, PRIMARY_FCB
.EXTRN CURRENT_VCB, GET_FIB
.EXTRN FIND, SEARCH_FCB
.PSECT $CODE$,NOWRT,2
.ENTRY DELETE, Save R2,R3
MOVL IO_PACKET, R0
MOVL @4(R0), ABD

```

```

50 0000G CF DO 00002
53 2C B0 DO 00007

```

```

: 0385
: 0442
:

```

DELETE
V04-000

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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1

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(2)

05	0000G	CF	53	DD	0000B	PUSHL	ABD	:	0443
		52	01	FB	0000D	CALLS	#1, GET_FIB	:	
		50	50	D0	00012	MOVL	R0, FIB	:	
	0B	A0	0000G	CF	D0 00015	MOVL	CURRENT_VCB, R0	:	0445
			025C	04	E1 0001A	BBC	#4, 11(R0), 1\$:	
				8F	BF 0001F	CHMU	#604	:	0446
				04	00023	RET		:	
			0A	A2	B5 00024 1\$:	TSTW	10(FIB)	:	0452
				0B	13 00027	BEQL	2\$:	
				01	DD 00029	PUSHL	#1	:	0453
				52	DD 0002B	PUSHL	FIB	:	
				53	DD 0002D	PUSHL	ABD	:	
	0000G	CF	03	FB	0002F	CALLS	#3, FIND	:	
		50	0000G	CF	D0 00034 2\$:	MOVL	PRIMARY_FCB, R0	:	0460
				12	13 00039	BEQL	4\$:	
	04	A2	24	A0	B1 0003B	CMPW	36(R0), 4(FIB)	:	0463
				07	12 00040	BNEQ	3\$:	
	06	A2	26	A0	B1 00042	CMPW	38(R0), 6(FIB)	:	0464
				04	13 00047	BEQL	4\$:	
			0000G	CF	D4 00049 3\$:	CLRL	CURRENT_WINDOW	:	0465
			04	A2	9F 0004D 4\$:	PUSHAB	4(FIB)	:	0468
	0000G	CF	01	FB	00050	CALLS	#1, SEARCH_FCB	:	
	0000G	CF	50	D0	00055	MOVL	R0, PRIMARY_FCB	:	
		50	0000G	CF	D0 0005A	MOVL	IO_PACKET, R0	:	0473
		07	21	A0	E9 0005F	BLBC	33(R0), 5\$:	
				52	DD 00063	PUSHL	FIB	:	0474
	0000V	CF	01	FB	00065	CALLS	#1, MARK_DELETE	:	
		50	01	D0	0006A 5\$:	MOVL	#1, R0	:	0476
				04	0006D	RET		:	0478

; Routine Size: 110 bytes, Routine Base: \$CODE\$ + 0000

DEL
V04-

DELETE
V04-000

G 1
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 6
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```

167 0479 1 GLOBAL ROUTINE MARK_DELETE (FIB) : NOVALUE =
168 0480 1
169 0481 1 ++
170 0482 1
171 0483 1 FUNCTIONAL DESCRIPTION:
172 0484 1
173 0485 1 This routine marks the indicated file for delete and deletes it
174 0486 1 if it is not accessed.
175 0487 1
176 0488 1 CALLING SEQUENCE:
177 0489 1 MARK_DELETE (ARG1)
178 0490 1
179 0491 1 INPUT PARAMETERS:
180 0492 1 ARG1: address of FIB
181 0493 1
182 0494 1 IMPLICIT INPUTS:
183 0495 1 NONE
184 0496 1
185 0497 1 OUTPUT PARAMETERS:
186 0498 1 NONE
187 0499 1
188 0500 1 IMPLICIT OUTPUTS:
189 0501 1 NONE
190 0502 1
191 0503 1 ROUTINE VALUE:
192 0504 1 NONE
193 0505 1
194 0506 1 SIDE EFFECTS:
195 0507 1 file marked for delete or deleted
196 0508 1
197 0509 1 --
198 0510 1
199 0511 2 BEGIN
200 0512 2
201 0513 2 BUILTIN
202 0514 2 FP;
203 0515 2
204 0516 2 MAP
205 0517 2 FIB : REF BBLOCK; ! FIB
206 0518 2
207 0519 2 LOCAL
208 0520 2 FCB : REF BBLOCK; ! FCB of file
209 0521 2 HEADER : REF BBLOCK; ! file header
210 0522 2
211 0523 2 OWN
212 0524 2 DELETEDOGENB : INITIAL (0); ! delete logger enable
213 0525 2
214 0526 2 EXTERNAL
215 0527 2 USER STATUS, ! status to return to user
216 0528 2 CLEANUP_FLAGS : BITVECTOR, ! cleanup action flags
217 0529 2 CURRENT_WINDOW : REF BBLOCK; ! window of open file
218 0530 2
219 0531 2 EXTERNAL ROUTINE
220 0532 2 SEARCH_FCB, ! search FCB list
221 0533 2 READ_HEADER, ! read file header
222 0534 2 LOG_DELETE, ! send message to delete logger
223 0535 2 CHECK_PROTECT, ! check file protection
```

DELETE
V04-000

H 1
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14-Sep-1984 12:29:27 DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (3)

```

224      0536      2      MARK DIRTY,
225      0537      2      DELETE FILE,
226      0538      2      CHECKSUM;
227      0539      2
228      0540      2
229      0541      2      ! Check that the file is not a reserved file (FID less than 5).
230      0542      2      !
231      0543      2
232      0544      2      IF .FIB[FIB$W_FID_NUM] LSSU 5
233      0545      2      THEN ERR_EXIT (SS$ _NOPRIV);
234      0546      2
235      0547      2      ! Find the FCB, if any, and then read the header. Reading the header is done
236      0548      2      ! under a condition handler that quietly exits with success if errors are
237      0549      2      ! encountered. Thus, deleting a bad file header succeeds quietly.
238      0550      2      !
239      0551      2
240      0552      2      FCB = SEARCH_FCB (FIB[FIB$W_FID]);
241      0553      2      SAVE_STATUS = .USER_STATUS;
242      0554      2      .FP = DELETE_HANDLER;
243      0555      2      HEADER = READ_HEADER (FIB[FIB$W_FID], .FCB);
244      0556      2      .FP = 0;
245      0557      2
246      0558      2      IF .DELETELOGENB THEN LOG_DELETE (.FIB, .HEADER);
247      0559      2
248      0560      2      ! Check file protection. Check if the file is write accessed by someone
249      0561      2      ! else and not the deleter.
250      0562      2      !
251      0563      2
252      0564      2      CHECK_PROTECT (DELETE_ACCESS, .HEADER, .FCB);
253      0565      2      IF (
254      0566      2          IF .FCB EQL 0
255      0567      2          THEN 0
256      0568      2          ELSE .FCB[FCB$W_WCNT] NEQ 0)
257      0569      2      AND (
258      0570      2          IF .CURRENT_WINDOW EQL 0
259      0571      2          THEN 1
260      0572      2          ELSE NOT .CURRENT_WINDOW[WCBSV_WRITE])
261      0573      2      THEN ERR_EXIT (SS$ _ACONFLICT);
262      0574      2
263      0575      2      CLEANUP_FLAGS[CLF_REENTER] = 0;          ! from now on deletion proceeds
264      0576      2
265      0577      2
266      0578      2      ! Mark the file for delete. If the file is not accessed, then proceed to
267      0579      2      ! actually delete it.
268      0580      2      !
269      0581      2
270      0582      2      HEADER[FH1$V_MARKDEL] = 1;
271      0583      2      MARK_DIRTY (.HEADER);
272      0584      2
273      0585      2      IF KERNEL_CALL (MARKDEL_FCB, .FCB)
274      0586      2      THEN DELETE_FILE (.FIB, .HEADER)
275      0587      2      ELSE CHECKSUM (.HEADER);
276      0588      2
277      0589      1      END;          ! end of routine MARK_DELETE
```

DELETE
V04-000

I 1
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 8
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DELF
V04-

```
.PSECT $LOCKEDD1$,NOEXE,2
00000000 00004 DELETEDOGENB:
.LONG 0
.EXTRN USER_STATUS, READ_HEADER
.EXTRN LOG_DELETE, CHECK_PROTECT
.EXTRN MARK_DIRTY, DELETE_FILE
.EXTRN CHECKSUM, SYSSCMKRNL
.PSECT $CODE$,NOWRT,2
.ENTRY MARK_DELETE, Save R2,R3
50      04      AC      000C 00000      MOVL      FIB, R0      : 0479
05      04      AO      B1 00002      CMPW      4(R0), #5      : 0544
03      1E 0000A      BGEQU     1$      :
24      BF 0000C      CHMU      #36      : 0545
04      0000E      RET      :
52      04      AC      04      C1 0000F 1$:      ADDL3     #4, FIB, R2      : 0552
0000G    CF      52      DD 00014      PUSHL     R2      :
0000'    53      01      FB 00016      CALLS     #1, SEARCH_FCB      :
0000'    CF      50      DO 0001B      MOVL      R0, FCB      :
6D      0000G    CF      50      DO 0001E      MOVL      USER_STATUS, SAVE_STATUS      : 0553
0000V    CF      0C      9E 00025      MOVAB     DELETE_HANDLER, (FP)      : 0554
0000G    CF      02      FB 0002C      PUSHR     #^M<R2,R3>      : 0555
52      50      DO 00031      CALLS     #2, READ_HEADER      :
6D      0A      6D      D4 00034      MOVL      R0, HEADER      :
0A      0000'    CF      52      DD 0003B      CLRL      (FP)      : 0556
0000G    CF      04      AC      DD 0003D      BLBC      DELETEDOGENB, 2$      : 0558
0000G    CF      02      FB 00040      PUSHL     HEADER      :
0C      0C      BB 00045 2$:      PUSHL     FIB      :
02      DD 00047      CALLS     #2, LOG_DELETE      :
03      FB 00049      PUSHR     #^M<R2,R3>      : 0564
53      D5 0004E      PUSHL     #2      :
16      13 00050      CALLS     #3, CHECK_PROTECT      :
A3      B5 00052      TSTL      FCB      : 0566
11      13 00055      BEQL      4$      :
50      0000G    CF      DO 00057      TSTW      28(FCB)      : 0568
05      0B      AO      05      13 0005C      BEQL      4$      :
0800     8F      BF 00063 3$:      MOVL      CURRENT_WINDOW, R0      : 0570
0000G    CF      80      8F      8A 00068 4$:      BEQL      3$      :
0D      A2      80      8F      88 0006E      BBS      #1, 11(R0), 4$      : 0572
0000G    CF      52      DD 00073      CHMU      #2048      : 0573
01      FB 00075      RET      :
53      DD 0007A      BICB2     #128, CLEANUP_FLAGS+2      : 0575
01      DD 0007C      BISB2     #128, 13(HEADER)      : 0582
5E      DD 0007E      PUSHL     HEADER      : 0583
0000V    CF      9F      9F 00080      CALLS     #1, MARK_DIRTY      :
04      FB 00084      PUSHL     FCB      : 0585
50      E9 0008B      PUSHL     #1      :
52      DD 0008E      PUSHL     SP      :
0A      AC      DD 00090      PUSHAB    MARKDEL_FCB      :
0000G    CF      02      FB 00093      CALLS     #4, @SYSSCMKRNL      :
04      AC      DD 00090      BLBC      R0, 5$      :
02      FB 00093      PUSHL     HEADER      : 0586
0000G    CF      02      FB 00093      CALLS     #2, DELETE_FILE      :
```

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DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (3)

52 04 00098
01 DD 00099 55:
FB 00099
04 000A0

```
RET      HEADER  
PUSHL   #1, CHECKSUM  
CALLS  
RET
```

0587
0589

; Routine Size: 161 bytes, Routine Base: \$CODE\$ + 006E

DEL
V04-

DELETE
V04-000

K 1
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VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 10
(4)

```

279 0590 1 GLOBAL ROUTINE MARKDEL_FCB (FCB) =
280 0591 1
281 0592 1 !++
282 0593 1
283 0594 1 FUNCTIONAL DESCRIPTION:
284 0595 1
285 0596 1 This routine marks the FCB for the current file, if any, for delete.
286 0597 1 This routine must be executed in kernel mode.
287 0598 1
288 0599 1 CALLING SEQUENCE:
289 0600 1 MARKDEL_FCB (ARG1)
290 0601 1
291 0602 1 INPUT PARAMETERS:
292 0603 1 ARG1: address of FCB
293 0604 1
294 0605 1 IMPLICIT INPUTS:
295 0606 1 PRIMARY_FCB: FCB of file if any
296 0607 1 DIR_FCB: FCB of directory file if any
297 0608 1 CURRENT_VCB: VCB of volume
298 0609 1
299 0610 1 OUTPUT PARAMETERS:
300 0611 1 NONE
301 0612 1
302 0613 1 IMPLICIT OUTPUTS:
303 0614 1 NONE
304 0615 1
305 0616 1 ROUTINE VALUE:
306 0617 1 1 if FCB removed (i.e., if file is deletable)
307 0618 1 0 if delete is to be deferred
308 0619 1
309 0620 1 SIDE EFFECTS:
310 0621 1 FCB marked for delete, may be deallocated
311 0622 1
312 0623 1 --
313 0624 1
314 0625 2 BEGIN
315 0626 2
316 0627 2 MAP
317 0628 2 FCB : REF BBLOCK; ! FCB arg
318 0629 2
319 0630 2 LOCAL
320 0631 2 DUMMY; ! dummy destination for REMQUE
321 0632 2
322 0633 2 EXTERNAL
323 0634 2 CURRENT_VCB : REF BBLOCK, ! VCB of volume
324 0635 2 PRIMARY_FCB : REF BBLOCK, ! FCB of current file
325 0636 2 DIR_FCB : REF BBLOCK; ! FCB of directory file
326 0637 2
327 0638 2 EXTERNAL ROUTINE
328 0639 2 DEL_EXTFCB, ! delete extension FCB's
329 0640 2 DEALLOCATE; ! deallocate dynamic memory
330 0641 2
331 0642 2
332 0643 2 ! If the FCB exists, we mark it for delete (causing the file to be deleted
333 0644 2 ! when the access count goes to 0). Make sure that the directory LRU bit
334 0645 2 ! in the FCB is off (crediting 1 to the LRU count if it was on). If the
335 0646 2 ! access count is zero, dump the FCB and its extensions.
```

DELETE
V04-000

L 1
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14-Sep-1984 12:29:27

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DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (4)

[illegible]

```

      .EXTRN  DIR_FCB, DEL_EXTFCB
      .EXTRN  DEACLOCATE

```

.ENTRY MARKDEL_FCB, Save nothing

				0000	00000	
	51	04	AC	D0	00002	
			41	13	00006	
22	A1		02	88	00008	
22	A1		00	E5	0000C	
	50	0000G	CF	D0	00011	
		49	A0	96	00016	
		1A	A1	B5	00019	1\$:
			2F	12	0001C	
	50		61	0F	0001E	
		04	AC	DD	00021	
0000G	CF		01	FB	00024	
		04	AC	DD	00029	
0000G	CF		01	FB	0002C	
04	AC	0000G	CF	D1	00031	
			04	12	00037	
		0000G	CF	D4	00039	
04	AC	0000G	CF	D1	0003D	2\$:
			04	12	00043	
		0000G	CF	D4	00045	
	50		01	D0	00049	3\$:
				04	0004C	
			50	D4	0004D	4\$:
				04	0004F	

BEQL	3\$:	0654
BISB2	#2, 34(R1)	:	0652
BBCC	#0, 34(R1), 1\$:	0653
MOVL	CURRENT_VCB, R0	:	0654
INCB	73(R0)	:	
TSTW	26(R1)	:	0655
BNEQ	4\$:	
REMQUE	(R1), DUMMY	:	0656
PUSHL	FCB	:	0657
CALLS	#1, DEL_EXTFCB	:	
PUSHL	FCB	:	0658
CALLS	#1, DEALLOCATE	:	
CMPL	PRIMARY_FCB, FCB	:	0659
BNEQ	2\$:	
CLRL	PRIMARY_FCB	:	
CMPL	DIR_FCB, FCB	:	0660
BNEQ	3\$:	
CLRL	DIR_FCB	:	
MOVL	#1, R0	:	0663
RET		:	
CLRL	R0	:	0665
RET		:	

; Routine Size: 80 bytes, Routine Base: \$CODES + 010F

DELETE
V04-000

M 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

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DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 Page 12
(5)

**F1

```

356 0666 1 ROUTINE DELETE_HANDLER (SIGNAL, MECHANISM) =
357 0667 1
358 0668 1 !++
359 0669 1
360 0670 1 FUNCTIONAL DESCRIPTION:
361 0671 1
362 0672 1 This routine is the condition handler for reading the file header.
363 0673 1 If any errors occur, it unwinds and returns to MARK_DELETE's caller,
364 0674 1 causing the delete of a bad file header to be a quiet NOP.
365 0675 1
366 0676 1
367 0677 1 CALLING SEQUENCE:
368 0678 1 HANDLER (ARG1, ARG2)
369 0679 1
370 0680 1 INPUT PARAMETERS:
371 0681 1 ARG1: address of signal array
372 0682 1 ARG2: address of mechanism array
373 0683 1
374 0684 1 IMPLICIT INPUTS:
375 0685 1 NONE
376 0686 1
377 0687 1 OUTPUT PARAMETERS:
378 0688 1 NONE
379 0689 1
380 0690 1 IMPLICIT OUTPUTS:
381 0691 1 NONE
382 0692 1
383 0693 1 ROUTINE VALUE:
384 0694 1 $$$_RESIGNAL or none if unwind
385 0695 1
386 0696 1 SIDE EFFECTS:
387 0697 1 NONE
388 0698 1
389 0699 1 --
390 0700 1
391 0701 1
392 0702 2 BEGIN
393 0703 2
394 0704 2 MAP
395 0705 2 SIGNAL : REF BBLOCK, ! signal arg array
396 0706 2 MECHANISM : REF BBLOCK; ! mechanism arg array
397 0707 2
398 0708 2 EXTERNAL
399 0709 2 USER_STATUS; ! status to return to user
400 0710 2
401 0711 2
402 0712 2 ! If the condition is change mode to user (error exit) cause an unwind to
403 0713 2 ! return to DELETE's caller.
404 0714 2 ! Otherwise, just resignal the condition.
405 0715 2 !
406 0716 2
407 0717 2 IF .SIGNAL[CHFS$_SIG_NAME] EQL $$$_CMODUSER
408 0718 2 THEN
409 0719 2 BEGIN
410 0720 2 USER_STATUS = .SAVE_STATUS;
411 0721 2 $UNWIND ();
412 0722 2 END;
```

DELETE
V04-000

N 1
16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1
Page 13
(5)

: 413
: 414
: 415
: 416
0723 2
0724 2 RETURN SSS_RESIGNAL;
0725 2
0726 1 END;

! status is irrelevant if unwinding
! end of routine DELETE_HANDLER

.EXTRN SYSSUNWIND

0000 00000 DELETE_HANDLER:

00000424	50	04	AC	D0	00002	.WORD	Save nothing	: 0666
	8F	04	A0	D1	00006	MOVL	SIGNAL, R0	: 0717
			10	12	0000E	CMPL	4(R0), #1060	
0000G	CF	0000'	CF	D0	00010	BNEQ	1\$	
			7E	7C	00017	MOVL	SAVE_STATUS, USER_STATUS	: 0720
00000000G	00		02	FB	00019	CLRQ	-(SP)	: 0721
	50	0918	8F	3C	00020	CALLS	#2, SYSSUNWIND	
			04	00025	1\$:	MOVZWL	#2328, R0	: 0724
						RET		: 0726

; Routine Size: 38 bytes, Routine Base: \$CODE\$ + 015F

: 417
: 418
: 419
0727 1
0728 1 END
0729 0 ELUDOM

PSECT SUMMARY

Name	Bytes	Attributes
\$LOCKEDD1\$	8	NOVEC, WRT, RD, NOEXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)
\$CODE\$	389	NOVEC, NOWRT, RD, EXE, NOSHR, LCL, REL, CON, NOPIC, ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[SYSLIB]LIB.L32;1	18619	28	0	1000	00:01.9

COMMAND QUALIFIERS

DELETE
V04-000

16-Sep-1984 00:56:34
14-Sep-1984 12:29:27

VAX-11 BLISS-32_v4.0-742

VAX-11 Bliss-32 V4.0-742 Page 14
DISK\$VMSMASTER:[F11A.SRC]DELETE.B32;1 (5)

```
; BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/LIS=LIS$:DELETE/OBJ=OBJ$:DELETE MSRC$:DELETE/UPDATE=(ENHS$:DELETE)
```

```
: Size:          389 code + 8 data bytes
: Run Time:      00:11.1
: Elapsed Time:  00:26.8
: Lines/CPU Min: 3947
: Lexemes/CPU-Min: 13608
: Memory Used:   97 pages
: Compilation Complete
```

DIRA
V04-

0164 AH-BT13A-SE
VAX/VMS V4.0

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0165 AH-BT13A-SE
VAX/VMS V4.0

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